

## EAST Search History

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|---|---|------------------|---------|------------------|
| L1    | 27   | rout\$4 near10 (job\$1 task\$1 thread\$1 process processes) near10 client\$4 and @ad<"20020116" and 718/102-105.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/03/13 13:53 |
| L2    | 636  | distribut\$4 near10 (task\$1 job\$1) near10 client\$4   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/03/13 13:43 |
| L3    | 0    | transfser\$4 near10 (task\$1 job\$1) near10 client\$4   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/03/13 13:43 |
| L4    | 42   | (task\$1 subtask\$1 job\$1 process processes thread\$1) near10 class\$1 near10 queue\$1 and @ad<"20020116" and "718"/\$.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/03/13 13:43 |
| L5    | 0    | preemt\$5 near10 load near10 balanc\$4 and "718"/\$.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/03/13 13:43 |
| L6    | 1    | coordinat\$4 near10 (job\$1 task\$1 thread\$1 process processes) near10 client\$4 and @ad<"20020116" and 718/102-105.ccls. and 709/202, 208-209,217-219,224,229.ccls. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/03/13 13:43 |
| L7    | 54   | transfer\$4 near10 (task\$1 job\$1) near10 client\$4 and "709"/\$.ccls. and queue\$4  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/03/13 13:43 |
| L8    | 0    | transfer\$4 near10 (task\$1 job\$1) near10 client\$4 and "709"/\$.ccls. and peer adj "to" adj peer  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/03/13 13:44 |
| L9    | 203  | (relocat\$4 migrat\$4 transfer\$1) near10 (agent\$1 program\$1) same flush\$4   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/03/13 13:54 |

## EAST Search History

|     |    |  |   |    |     |                  |
|-----|----|--|---|----|-----|------------------|
| L10 | 0  | (relocat\$4 migrat\$4 transfer\$1)<br>near10 (agent\$1 program\$1) same<br>flush\$4 and 718/102-105.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/13 13:45 |
| L11 | 12 | rout\$4 near10 (job\$1 task\$1<br>thread\$1 process processes) near10<br>client\$4 and @ad<"20020116" and<br>718/102-105.ccls. and 709/223-229.<br>ccls. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/13 13:53 |
| L12 | 0  | (relocat\$4 migrat\$4 transfer\$1)<br>near10 (agent\$1 program\$1) same<br>flush\$4 and 718/102-105.ccls. and<br>709/223-229.ccls.                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/13 13:54 |
| L13 | 40 | (relocat\$4 migrat\$4 transfer\$1)<br>near10 (agent\$1 program\$1) and<br>718/102-105.ccls. and 709/223-229.<br>ccls.                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/13 13:54 |
| L14 | 27 | rout\$4 near10 (job\$1 task\$1<br>thread\$1 process processes) near10<br>client\$4 and @ad<"20020116" and<br>718/102-105.ccls.                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/13 14:02 |



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Best 200 shown

Relevance scale ☐ ☐ ☐ ☐ ☐

# 1 [Statistical sentence condensation using ambiguity packing and stochastic disambiguation methods for Lexical-Functional Grammar](#)

Stefan Riezler, Tracy H. King, Richard Crouch, Annie Zaenen

 May 2003 **Proceedings of the 2003 Conference of the North American Chapter of the Association for Computational Linguistics on Human Language Technology - Volume 1 NAACL '03**

Publisher: Association for Computational Linguistics

Full text available: [pdf\(127.36 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

We present an application of ambiguity packing and stochastic disambiguation techniques for Lexical-Functional Grammars (LFG) to the domain of sentence condensation. Our system incorporates a linguistic parser/generator for LFG, a transfer component for parse reduction operating on packed parse forests, and a maximum-entropy model for stochastic output selection. Furthermore, we propose the use of standard parser evaluation methods for automatically evaluating the summarization quality of senten ...

# 2 [Teleological reasoning in reason-based logic](#)



Jaap Hage

 May 1995 **Proceedings of the 5th international conference on Artificial intelligence and law**

Publisher: ACM Press

Full text available: [pdf\(1.06 MB\)](#) Additional Information: [full citation](#), [references](#), [citing](#), [index terms](#)

# 3 [Example-based machine translation using efficient sentence retrieval based on edit-distance](#)



Takao Doi, Hirofumi Yamamoto, Eiichiro Sumita

 December 2005 **ACM Transactions on Asian Language Information Processing (TALIP)**, Volume 4 Issue 4

Publisher: ACM Press

Full text available: [pdf\(582.72 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

An Example-Based Machine Translation (EBMT) system, whose translation example unit is a sentence, can produce an accurate and natural translation if translation examples similar enough to an input sentence are retrieved. Such a system, however, suffers from the problem of narrow coverage. To reduce the problem, a large-scale parallel corpus is required and, therefore, an efficient method is needed to retrieve translation examples from a large-scale corpus. The authors propose an efficient retrie ...

**Keywords:** A&ast; search, Example-based machine translation, edit-distance, example

retrieval, word graph

**4** Contributed papers: A computational treatment of sentence-final 'then'

Sheila Glasbey

April 1993 **Proceedings of the sixth conference on European chapter of the Association for Computational Linguistics****Publisher:** Association for Computational LinguisticsFull text available:  pdf(841.56 KB)Additional Information: [full citation](#), [abstract](#), [references](#) [Publisher Site](#)

We describe a computational system which parses discourses consisting of sequences of simple sentences. These contain a range of temporal constructions, including time adverbials, progressive aspect and various aspectual classes. In particular, the grammar generates the required readings, according to the theoretical analysis of (Glasbey, forthcoming), for sentence-final 'then'.

**5** Experiments with a Hindi-to-English transfer-based MT system under a miserly data scenario

Alon Lavie, Stephan Vogel, Lori Levin, Erik Peterson, Katharina Probst, Ariadna Font Llitjós, Rachel Reynolds, Jaime Carbonell, Richard Cohen

June 2003 **ACM Transactions on Asian Language Information Processing (TALIP)**,

Volume 2 Issue 2

**Publisher:** ACM PressFull text available:  pdf(152.01 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#), [review](#)

We describe an experiment designed to evaluate the capabilities of our trainable transfer-based (Xfer) machine translation approach, as applied to the task of Hindi-to-English translation, and trained under an extremely limited data scenario. We compare the performance of the Xfer approach with two corpus-based approaches---Statistical MT (SMT) and Example-based MT (EBMT)---under the limited data scenario. The results indicate that the Xfer system significantly outperforms both EBMT and SMT in t ...

**Keywords:** Evaluation, Hindi, example-based machine translation, limited data resources, machine learning, multiengine machine translation, statistical translation, transfer rules

**6** Chart-based transfer rule application in Machine Translation


Adam Meyers, Michiko Kosaka, Ralph Grishman

July 2000 **Proceedings of the 18th conference on Computational linguistics - Volume 1****Publisher:** Association for Computational LinguisticsFull text available:  pdf(593.75 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

Transfer-based Machine Translation systems require a procedure for choosing the set of transfer rules for generating a target language translation from a given source language sentence. In an MT system with many competing transfer rules, choosing the best set of transfer rules for translation may involve the evaluation of an explosive number of competing sets. We propose a solution to this problem based on current best-first chart parsing algorithms.

**7** A tool for automated revision of grammars for NLP systems

Nanda Kambhatla, Wlodek Zadrozny

April 2000 **Proceedings of the sixth conference on Applied natural language processing****Publisher:** Morgan Kaufmann Publishers Inc.Full text available:  pdf(672.68 KB)Additional Information: [full citation](#), [abstract](#), [references](#) [Publisher Site](#)

We present an algorithm and a tool for automatically revising grammars for natural language processing (NLP) systems to disallow specifically identified sentences or sets of sentences. We also outline an approach for automatically revising attribute value grammars using counter-examples. Developing grammars for NLP systems that are both general enough to accept most sentences about a domain, but constrained enough to disallow other sentences is very tedious. Our approach of revising grammars aut ...

# 8 Simultaneous interpretation utilizing example-based incremental transfer

Hideki Mima, Hitoshi Iida, Osamu Furuse

August 1998 **Proceedings of the 17th international conference on Computational linguistics - Volume 2 , Proceedings of the 36th annual meeting on Association for Computational Linguistics - Volume 2**

**Publisher:** Association for Computational Linguistics , Association for Computational Linguistics

Full text available:  [pdf\(658.18 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

This paper describes a practical method of automatic simultaneous interpretation utilizing an example-based incremental transfer mechanism. We primarily show how incremental translation is achieved in the context of an example-based framework. We then examine the type of translation examples required for a simultaneous interpretation to create naturally communicative dialogs. Finally, we propose a scheme for automatic simultaneous interpretation exploiting this example-based incremental translat ...

# 9 Data Communication Control Procedures



Byron W. Stutzman

December 1972 **ACM Computing Surveys (CSUR)**, Volume 4 Issue 4

**Publisher:** ACM Press



Full text available:  [pdf\(1.36 MB\)](#) Additional Information: [full citation](#), [references](#), [citing](#), [index terms](#)

# 10 The FINITE STRING Newsletter: Abstracts of current literature

Computational Linguistics Staff

January 1987 **Computational Linguistics**, Volume 13 Issue 1-2

**Publisher:** MIT Press

Full text available:  [pdf\(6.15 MB\)](#)  Additional Information: [full citation](#)  
[Publisher Site](#)

# 11 Spoken dialogue technology: enabling the conversational user interface



Michael F. McTear

March 2002 **ACM Computing Surveys (CSUR)**, Volume 34 Issue 1

**Publisher:** ACM Press

Full text available:  [pdf\(987.69 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citing](#), [index terms](#), [review](#)

Spoken dialogue systems allow users to interact with computer-based applications such as databases and expert systems by using natural spoken language. The origins of spoken dialogue systems can be traced back to Artificial Intelligence research in the 1950s concerned with developing conversational interfaces. However, it is only within the last decade or so, with major advances in speech technology, that large-scale working systems have been developed and, in some cases, introduced into commerc ...

**Keywords:** Dialogue management, human computer interaction, language generation, language understanding, speech recognition, speech synthesis

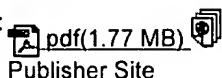
# 12 Adaptive multilingual sentence boundary disambiguation

David D. Palmer, Marti A. Hearst

June 1997 **Computational Linguistics**, Volume 23 Issue 2

**Publisher:** MIT Press

Full text available:

[Publisher Site](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

The sentence is a standard textual unit in natural language processing applications. In many language the punctuation mark that indicates the end-of-sentence boundary is ambiguous; thus the tokenizers of most NLP systems must be equipped with special sentence boundary recognition rules for every new text collection. As an alternative, this article presents an efficient, trainable system for sentence boundary disambiguation. The system, called Satz, makes simple estimates of the parts of speech of ...

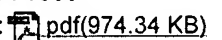
### 13 [Sentencing and information management: consistency and the particularities of a case](#)



Marius J. A. Duker, Arno R. Lodder

June 1999 **Proceedings of the 7th international conference on Artificial intelligence and law****Publisher:** ACM Press

Full text available:

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Sentencing practice is often considered inconsistent. The use of IT and AI to support sentencing decisions in order to make them more consistent, deserves a lot of attention nowadays. The movement for more fair and consistent sentencing in the Netherlands led to the development of several JDSSs (Judicial Decision Support System) that already are or shortly will be used by the Public Prosecution and the Judiciary. Criticism towards the use of IT and AI for this sentencing purpose is often di ...

**Keywords:** information management, mediating systems, procedural legitimization, sentencing systems

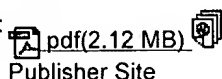
### 14 [Special issues on machine translation: A survey of machine translation: its history, current status, and future prospects](#)



Jonathan Slocuin

January 1985 **Computational Linguistics**, Volume 11 Issue 1**Publisher:** MIT Press

Full text available:

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [review](#)[Publisher Site](#)

Elements of the history, state of the art, and probable future of Machine Translation (MT) are discussed. The treatment is largely tutorial, based on the assumption that this audience is, for the most part, ignorant of matters pertaining to translation in general, and MT in particular. The paper covers some of the major MT R&D groups, the general techniques they employ(ed), and the roles they play(ed) in the development of the field. The conclusions concern the seeming permanence of the translat ...

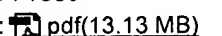
### 15 [Special issue on knowledge representation](#)



Ronald J. Brachman, Brian C. Smith

February 1980 **ACM SIGART Bulletin**, Issue 70**Publisher:** ACM Press

Full text available:

Additional Information: [full citation](#), [abstract](#)

In the fall of 1978 we decided to produce a special issue of the SIGART Newsletter devoted to a survey of current knowledge representation research. We felt that there were two useful functions such an issue could serve. First, we hoped to elicit a clear picture of how people working in this subdiscipline understand knowledge representation research, to illuminate the issues on which current research is focused, and to catalogue what approaches and techniques are currently being developed. Second ...

### An experiment in hybrid dictionary and statistical sentence alignment

Nigel Collier, Kenji Ono, Hideki Hirakawa

August 1998 **Proceedings of the 17th international conference on Computational linguistics - Volume 1 , Proceedings of the 36th annual meeting on Association for Computational Linguistics - Volume 1**

**Publisher:** Association for Computational Linguistics , Association for Computational Linguistics

Full text available:  [pdf\(572.08 KB\)](#)


Additional Information: [full citation](#), [abstract](#), [references](#)



[Publisher Site](#)


The task of aligning sentences in parallel corpora of two languages has been well studied using pure statistical or linguistic models. We developed a linguistic method based on lexical matching with a bilingual dictionary and two statistical methods based on sentence length ratios and sentence offset probabilities. This paper seeks to further our knowledge of the alignment task by comparing the performance of the alignment models when used separately and together, i.e. as a hybrid system. Our re ...

### 17 Developing a natural language interface to complex data

 Gary G. Hendrix, Earl D. Sacerdoti, Daniel Sagalowicz, Jonathan Slocum

June 1978 **ACM Transactions on Database Systems (TODS)**, Volume 3 Issue 2

**Publisher:** ACM Press

Full text available:  [pdf\(3.13 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Aspects of an intelligent interface that provides natural language access to a large body of data distributed over a computer network are described. The overall system architecture is presented, showing how a user is buffered from the actual database management systems (DBMSs) by three layers of insulating components. These layers operate in series to convert natural language queries into calls to DBMSs at remote sites. Attention is then focused on the first of the insulating components, th ...


**Keywords:** database access, human engineering, intelligent interface, natural language, run-time personalization, semantic grammar

### 18 Tricolor DAGs for machine translation

Koichi Takeda

June 1994 **Proceedings of the 32nd annual meeting on Association for Computational Linguistics**

**Publisher:** Association for Computational Linguistics

Full text available:  [pdf\(719.90 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#)



[Publisher Site](#)


Machine translation (MT) has recently been formulated in terms of constraint-based knowledge representation and unification theories, but it is becoming more and more evident that it is not possible to design a practical MT system without an adequate method of handling mismatches between semantic representations in the source and target languages. In this paper, we introduce the idea of "information-based" MT, which is considerably more flexible than interlingual MT or the conventional transfer- ...

### 19 Syntactic processing and functional sentence perspective

Martin Kay

June 1975 **Proceedings of the 1975 workshop on Theoretical issues in natural language processing**

**Publisher:** Association for Computational Linguistics

Full text available:  [pdf\(443.62 KB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#)



[Publisher Site](#)

### 20 Machine translation by interaction between paraphraser and transfer

Kazuhide Yamamoto

August 2002 **Proceedings of the 19th international conference on Computational linguistics - Volume 1**

**Publisher:** Association for Computational Linguistics

Full text available:  [pdf\(184.31 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

A machine translation model has been proposed where an input is translated through both source-language and target-language paraphrasing processes. We have implemented our prototype model for the Japanese-Chinese language pair. This paper describes our core idea of translation, where a source language paraphraser and a language transfer cooperates in translation by exchanging information about the source input.

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IEEE STD IEEE Standard

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